

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

09/463,542

Source:

IFW16

Date Processed by STIC:

1-21-05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 01/21/2005

PATENT APPLICATION: US/09/463,542

TIME: 13:27:15

Input Set : A:\234231SEQ.txt

Output Set: N:\CRF4\01212005\I463542.raw

```

5 <110> APPLICANT: BRIGGS, MICHAEL R.
6     SALADIN, REGIS S.
7     AUWERX, JOHAN
8     FAJAS, LLUIS
11 <120> TITLE OF INVENTION: HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA
12     (PPAR()) GENE REGULATORY SEQUENCES AND USES THEREFOR
15 <130> FILE REFERENCE: 234/231
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/463,542
C--> 19 <141> CURRENT FILING DATE: 2002-12-11
22 <150> PRIOR APPLICATION NUMBER: PCT/US98/15411
23 <151> PRIOR FILING DATE: 1998-07-24
25 <150> PRIOR APPLICATION NUMBER: US 60/053,692
26 <151> PRIOR FILING DATE: 1997-07-25
29 <160> NUMBER OF SEQ ID NOS: 60
32 <170> SOFTWARE: FastSEQ for Windows Version 3.0
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 503
38 <212> TYPE: DNA
39 <213> ORGANISM: Human PPAR(1 proximal promoter, exon A1, and intron A1
41 <400> SEQUENCE: 1
43   cccctgcccc tgccccctgcc cccacccccca cccccacccc cacccccagc cggcgccccg 60
44   gccccgcccc gcgcgccccg cggtctggcc cgacccggtt ccgcgcggg caggcgccggc 120
45   ccagcgcaact cggagccccga gcccgagccg cagccgcgcg ctggggcgct tgggtcgccc 180
46   tcgaggacac cggagagggg cgccacgccg ccgtggccgc aggtcagagt acgggtgccc 240
47   gcggcgctcg ggaaccggct gctgcctggg cggggagtg ctcaggaggg ggcgcggagg 300
48   gctggggccg agggctggg gggtagggcc gaggaaacgg caactgacgg ggtcccagac 360
49   ggatgagagc tggggagaa ggggtctcgg ctgaggggtc cggggctgag gcacgggtcat 420
50   ggtccggcag gaccgggact gacgggtctc gggcgggcgg ctcacgggtg accgggtgaa 480
51   tgggtctcgg gctgacggca ccc                                     503
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 2688
57 <212> TYPE: DNA
58 <213> ORGANISM: Human PPAR(1 promoter
60 <400> SEQUENCE: 2
62   ggagctccac gcggtggcgg ccgctctaga actagtggat cccccgggct gcaggaattc 60
63   gaggtgcag tgaactatga ttgcaccact gcaactccagc ctgggtgaga gagcaatacc 120
64   ttgtctcaaa acaaacaaac aaacaaaacc ccatgagata tcaactcata ccctttagg 180
65   tggctaaaaa aaaaaagact ataacaagt ttgacaagga tgtggaaaaa ctggaaccct 240
66   gacacattgc tgggtgggatt gtaaaatggg gtgcccactt tggaaaacag actggcagtt 300
67   cctcaaaaac accgagttac gttatgatcc tgcagttctg tccctaggta tatactcaag 360
68   agaaataaaa atatatgtcc acaagtaacc ttgtacatga atgctcacag cagcattatt 420
69   cataatagcc cataaaagta gaaacaacct aaatattcat caattcatgg gatgaataaa 480
70   caaatgtggt tatatgtgta taatggaata ttgaccataa aaaggaatga aatattaata 540

```

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```

71 taagctataa catggatgag cctccacaaa tactatgcta agtgaaagaa gaaagtcaca 600
72 aaggacttca tattctatga ttctatttat atgaattgtc cagaataggt aaatctatag 660
73 agaaagaata tctctatcta gagttggtgg aatgactgtt aatggagagg gggttccttt 720
74 ttggagtgat gaaaatgttc taagggtaga ttggtgatg atggcacacac tctgtcaata 780
75 aactaaaact cattgaactg tacattttat ttattttatt ttgagatgga gtcttgcctc 840
76 ggggctgaag tgcagtggcg caatctcggc ttgtaacctc tgccctcccag ggtcaagcga 900
77 ttctactgcc tcagccccc gagtagctga gattacaggc acgtgccacc acgcccagct 960
78 aatttttgta ttcttagta gagatggagt ttcacatgt tggccaggct ggtcttgaac 1020
79 tccccgcctc aagtgatcca cctgcctcgg cctcccaaag tgctgggatt acaggcgtga 1080
80 gctgccatac ccggcctgaa ttgtacattt tactttctatg gtattttacat tttagattat 1140
81 attaattatt cctcaataaa gctgtgattt taaaaagcag gctaggcgca gtggctgggtg 1200
82 cctataatcc cagcactttg gaaagctgag gcaggaggat cacttgagcc caggagtttc 1260
83 agactagtct aggcacatg tcaagacaca gtctctacta aacaattaaa attaaaaaaa 1320
84 aaaattagcc aggcattggtg gtgtgcacct gtagtcccag ctacttggga gcctgggggtg 1380
85 ggaggattcc ttgagcccgg gaagtcgagg ctgaagtgag ccgtgattgc gccacagcac 1440
86 tccagcctgg gcgacacagc aacacctgt ctcatggaag aaagaaagaa aagaaaggaa 1500
87 gaaagaaaaa aaaaaagcag attggaactc tggaaattac aagaagtagg acgcacggag 1560
88 cacttccgcc tgagtggaga ctgtggatcc gggtaacct gactacctaa atcacaggcc 1620
89 aataaatggt ctttcagtgg tcagtcctg taagatccgt ggctctcagc ttcttatctt 1680
90 aggggctgtg gaggaaggac atgattatgt tgatttaagc gctgaatatt ttcccttgtg 1740
91 atacccatcc tcgcaaaact ttgcttcaac cacaaacgag gaccttctgt accagagggg 1800
92 caataacaca atgaagctag gaagaaatgc agagcacccc agcatacagt ccataagctt 1860
93 cctgaagtgg ggggcctcag gcacgcctgc ctcccaaaag aggatcaggc ccagaacagt 1920
94 atgctccaga aataagactg gaaaaaggga aagaggggccc tcaagtccag gagaccagcg 1980
95 gctttctgaa cgcgcacctg ccaacccact ttggacaggc cacgatggac agcgtggcag 2040
96 gaaaagaaaa ggtcactgtc tacccaacac atgagaaact gtttctcgtg cctcacgtcc 2100
97 ccactccgtc cccacccatg ttgtctgagt ccctcggtgt cagaaacact gctaagaaat 2160
98 ttaagaaatt ctgttaatga gtttaagaaa tgtttttaat gattaaaagt cagtgaactg 2220
99 tgaataacca tgtaacttac aaacgcaagg aactctgaaa gtgtgcagca ccaccgatca 2280
100 gaagagaaaa ccaagggacc cgaaatatgc ttttaattaaa ttttctttta aaatgtcact 2340
101 ggaaagaaca tcttggaag acggcctggc cgatcgccgt gtgaagggca agccaactcg 2400
102 gccgagaggg agccccacac ctgggtctcc cgagaccggc cctggccggg ggcaccccc 2460
103 taaacttcgg atccctctc ggaaattggga cctctctgg gccgcctccc agcgggtggtg 2520
104 gcgagagagca aacgacacca ggtagctgcc gcggggcaga gagtggacgc gggaaagccg 2580
105 gtggtcccg ccgtgggccc tactgtgcgc gggcgggcgc cgagcccggg ccgctccctc 2640
106 ccagtcgcgc gcgcgcgcc gcgcctggt tgggttcatg ggggggtg 2688
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 2045
112 <212> TYPE: DNA
113 <213> ORGANISM: Human PPAR(2 promoter, exon B, and intron B)
117 <400> SEQUENCE: 3
119 gaattcaact gaatatagag aaaactaatt ttacacaact gtaatcactg tagtcatttg 60
120 gacaaattag caaacccaag ttttgcttta acttggattg ccttaataaa gatgttttgg 120
121 ggcttaattg cacagttgct caactcccc actttattcc gtgatgttca gaccagcca 180
122 gcatttcccc atcaggetct tgcacatga ttgacaggga cacttttact agtccccttg 240
123 aagaatgaat agttactcaa tggagattaa ccagatatat atttatttta ctcagaatat 300
124 cacgataagt ataattcaga gaattattgc cttctaatat actgcctgt gtgggggcgt 360
125 ctttgaaagt ccgcaaagtc actgcaattc taataggcca ctcatgtgac aagacctgct 420
126 cccacatcgg taatttggca cagctagtat ttctccttgc caaaaagggc aaaggccttg 480

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127	agcaagaagc	cagctttttc	ctgattacaa	aactgaccac	aattcctcgc	caacctaaca	540
128	gcgtaagtct	atTTTTTTTct	ggTggTgtgt	tattcttctc	atagagaact	ccattttttc	600
129	attatgacat	agcacttata	gtttaaacat	caattgatgt	tcaaacaatca	gctgggtgtaa	660
130	cattgctgca	gttgctattg	atggataagc	tgaagttttt	aagaaagcaa	acccgatgta	720
131	taaaattgaa	accagatcaa	acccttcttc	attctcagct	atttaatttt	acagaattta	780
132	gatagcagtc	agtatcattt	tgggcttcac	aaatcagtag	agtaagtacc	ttaggaatat	840
133	aacatttcag	tagcatgctg	ataccaacgt	ttaaactatg	gatacatatt	tgaattccaa	900
134	atTTTTTcttc	agataatgtg	attagagatt	agagattcaa	ccagggatag	acaccgaaag	960
135	aaaacttttg	ccaaataagc	tttctggtat	ttcataagca	agagatttaa	gttttccatt	1020
136	taagaagcca	ttgtgaatta	tacaacaata	aaaaatgcaa	gtggatattg	aacagtctct	1080
137	tctctgataa	ttctaaatac	agtacagttc	acgccccctc	cgagacactg	aacatgtggg	1140
138	caccggcgag	acagtgtggc	aatattatcc	ctgtaatgta	ccaagtcttg	ccagagcagt	1200
139	gaacattatg	acacaacttt	ttgtcacagc	tggctcctaa	taggacagtg	ccagccaatt	1260
140	caagcccagt	cctttctgtg	tttattccca	tctctcccaa	atatttgga	actgatgtct	1320
141	tgactcatgg	gtgtattcac	gattctgtta	cttcaagtct	ttttctttta	acggattgat	1380
142	cttttgctag	atagagacaa	aatatcagtg	tgaattacag	caaaccata	ttccatgctg	1440
143	ttatgggtga	aactctggga	gattctccta	ttgaccaga	aagcgattcc	ttcactgata	1500
144	cactgtctgc	aaacatatca	caaggtaaag	ttccttccag	atacggtat	tggggacgtg	1560
145	ggggcattta	tgttaagggt	aaattgctct	tgtagtttgt	cttcagggtt	gtgtttgttt	1620
146	taatactatc	atgtgtacac	tccagtattt	taatgcttag	ctcgttgcta	tcgcgttcac	1680
147	ttaaaaacat	gttcagaacc	ttaaaaaagg	aaacctaacc	taatctatct	tatctctgtg	1740
148	catggctccc	atttcttgaa	ttttaagcat	taaaggata	gttatatcca	aaaacaatcc	1800
149	tgttcatctt	tatttcttga	gtttgcatag	atttcccaag	aatacataat	ggcttttttag	1860
150	acttgaagg	tcacttttcc	tctttcatct	catatgttag	agatctctca	taactgtgtt	1920
151	atccctcttg	cagcactttt	attcctcttg	aatacctcag	ctcttttctg	ttctattttg	1980
152	aaatctaagt	atgtgtgtgc	acttcagctc	tcccaaagaa	tgtatatccc	acaatgtagg	2040
153	acaag						2045
157	<210> SEQ ID NO: 4						
158	<211> LENGTH: 27						
159	<212> TYPE: DNA						
160	<213> ORGANISM: LF-2						
162	<400> SEQUENCE: 4						
164	tctccggtgt	cctcgaggcc	gacccaa				27
168	<210> SEQ ID NO: 5						
169	<211> LENGTH: 27						
170	<212> TYPE: DNA						
171	<213> ORGANISM: LF-14						
175	<400> SEQUENCE: 5						
177	agtgaaggaa	tcgctttctg	ggccaat				27
181	<210> SEQ ID NO: 6						
182	<211> LENGTH: 27						
183	<212> TYPE: DNA						
184	<213> ORGANISM: LF-18						
186	<400> SEQUENCE: 6						
188	agctgatccc	aaagttggg	ggccaga				27
192	<210> SEQ ID NO: 7						
193	<211> LENGTH: 30						
194	<212> TYPE: DNA						
195	<213> ORGANISM: LF-20						

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197 <400> SEQUENCE: 7
199 cattccattc acaagaacag atccagtggg      30
203 <210> SEQ ID NO: 8
204 <211> LENGTH: 30
205 <212> TYPE: DNA
206 <213> ORGANISM: LF-21
208 <400> SEQUENCE: 8
210 ggctcttcat gaggttatt gtagagctga      30
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 29
216 <212> TYPE: DNA
217 <213> ORGANISM: LF-22
219 <400> SEQUENCE: 9
221 gcaattgaat gtcgtgtctg tggagataa      29
225 <210> SEQ ID NO: 10
226 <211> LENGTH: 29
227 <212> TYPE: DNA
228 <213> ORGANISM: LF-23
230 <400> SEQUENCE: 10
232 gtggatccga cagttaagat cacatctgt      29
236 <210> SEQ ID NO: 11
237 <211> LENGTH: 30
238 <212> TYPE: DNA
239 <213> ORGANISM: LF-24
241 <400> SEQUENCE: 11
243 gtagaaataa atgtcagtac tgtcggtttc      30
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 29
249 <212> TYPE: DNA
250 <213> ORGANISM: LF-25
252 <400> SEQUENCE: 12
254 tcgatatcac tggagatctc cgccaacag      29
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 30
260 <212> TYPE: DNA
261 <213> ORGANISM: LF-26
263 <400> SEQUENCE: 13
265 acataaagtc cttcccgctg accaaagcaa      30
269 <210> SEQ ID NO: 14
270 <211> LENGTH: 29
271 <212> TYPE: DNA
272 <213> ORGANISM: LF-27
274 <400> SEQUENCE: 14
276 ctctgctcct gcaggggggt gatgtgttt      29
280 <210> SEQ ID NO: 15
281 <211> LENGTH: 29
282 <212> TYPE: DNA
283 <213> ORGANISM: LF-28
285 <400> SEQUENCE: 15

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287	gaagttcaat gcactggaat tagatgaca	29
291	<210> SEQ ID NO: 16	
292	<211> LENGTH: 29	
293	<212> TYPE: DNA	
294	<213> ORGANISM: LF-29	
296	<400> SEQUENCE: 16	
298	gagctccagg ggttgtagca ggttgtctt	29
302	<210> SEQ ID NO: 17	
303	<211> LENGTH: 28	
304	<212> TYPE: DNA	
305	<213> ORGANISM: LF-33	
307	<400> SEQUENCE: 17	
309	gacgggctga ggagaagtca cactctga	28
313	<210> SEQ ID NO: 18	
314	<211> LENGTH: 28	
315	<212> TYPE: DNA	
316	<213> ORGANISM: LF-35	
318	<400> SEQUENCE: 18	
320	agcatggaat aggggtttgc tgtaattc	28
324	<210> SEQ ID NO: 19	
325	<211> LENGTH: 24	
326	<212> TYPE: DNA	
327	<213> ORGANISM: LF-36	
329	<400> SEQUENCE: 19	
331	tagtacaagt ccttgtagat ctcc	24
335	<210> SEQ ID NO: 20	
336	<211> LENGTH: 24	
337	<212> TYPE: DNA	
338	<213> ORGANISM: LF-44	
340	<400> SEQUENCE: 20	
342	gtcggcctcg aggacaccgg agag	24
345	<210> SEQ ID NO: 21	
346	<211> LENGTH: 24	
347	<212> TYPE: DNA	
348	<213> ORGANISM: LF-58	
350	<400> SEQUENCE: 21	
352	cactcatgtg acaagacctg ctcc	24
356	<210> SEQ ID NO: 22	
357	<211> LENGTH: 24	
358	<212> TYPE: DNA	
359	<213> ORGANISM: LF-59	
361	<400> SEQUENCE: 22	
363	gccgacacta aaccaccaat atac	24
367	<210> SEQ ID NO: 23	
368	<211> LENGTH: 24	
369	<212> TYPE: DNA	
370	<213> ORGANISM: LF-60	
372	<400> SEQUENCE: 23	
374	cgttaaaggc tgactctcgt ttga	24

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:30; N Pos. 52

Seq#:40; N Pos. 64,68

## VARIABLE LOCATION SUMMARY

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:30; N Pos. 52

Seq#:40; N Pos. 64,68



**VERIFICATION SUMMARY**

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:458 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:30  
L:458 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:30  
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:585 M:283 W: Missing Blank Line separator, <400> field identifier  
L:654 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:40  
L:654 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:40  
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60